Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Improvements and Development of Raj Park in Yelahanka New Town ward no -04 of Yelahanka satellite town sub division

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Earth work excavation by **manual means for drains,canals,** waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.(V-I.No 1.4,Page No-5 of PWD SR 2021-22)								
	Raj Park								
	For SSM foundation **(222m fencing + 10m gate)**	1	232.00	1.00	1.00	232.00			
	For Benches	15	2.30	1.80	0.40	24.84			
						256.84	**Cum**	**204.60**	**52549.46**
	Basic Rate Rs.=	186.00							
	Add 10% A.W Rs. =	18.60							
	Total Rate Rs. =	**204.60**							
	Providing and laying in position **plain cement concrete** for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)**Mix 1:3:6** (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22)								
	Raj Park								
	For SSM foundation **(222m fencing + 10m gate)**	1	232.00	0.80	0.15	27.84			
	For Benches	15	1.80	1.50	0.15	6.08			
						33.92	**Cum**	**6327.20**	**214586.99**
	Basic Rate Rs.=	5752.00							
	Add 10% A.W Rs. =	575.20							
	Total Rate Rs. =	**6327.20**							
	Providing **Size Stone masonry** with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (V-II, No-5.4, P.No-9 of PWD SR 2021-22)								
	Raj Park								
	For SSM foundation **(222m fencing + 10m gate)**	1	232.00	0.75	0.60	104.40			
	For SSM foundation **(222m fencing)**	1	222.00	0.60	0.60	79.92			
						184.32	**Cum**	**5964.20**	**1099321.34**
	Basic Rate Rs.=	5422.00							
	Add 10% A.W Rs. =	542.20							
	Total Rate Rs. =	**5964.20**							

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **Mix 1:2:4 (M15)** Using 20 mm nominal size graded crushed coarse aggregates (V-I, No-2.4.1, P.No-17 of PWD SR 2021-22).								
	Raj Park								
	For SSM foundation (222m fencing + 10m gate)	1	232.00	0.60	0.075	10.44			
						10.44	**Cum**	**6705.60**	**70006.46**
	Basic Rate Rs.=	6096.00							
	Add 10% A.W Rs. =	609.60							
	Total Rate Rs. =	**6705.60**							
	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)								
	Raj Park								
	For SSM foundation (222m fencing)	1	222.00		1.90	421.80			
						421.80	**Sqm**	**15630.00**	**6592734.00**
	Data Rate	15630.00							
	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
	Raj Park								

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For Gate, 10m width(4+4+2)	1	10.00		2.50	25.00			
						25.00	**Sqm**	**21350.00**	**533750.00**
	Data Rate	21350.00							
	Supplying and **fixing M15 grade precast cement concrete Kerb stones** for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra) 600 x 300 x 150 mm Kerb Stone (V-III No-6.3,P No-146 of PWD BCSR 2021-22)								
	Raj Park								
	For bench surround	15	4.50			67.50			
						67.50	**m**	**465.30**	**31407.75**
	Basic Rate Rs.=	423.00							
	Add 10% A.W Rs. =	42.30							
	Total Rate Rs. =	**465.30**							
	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (P.No.56, I.No.8.10 of PW, P&IWTD SR 2021-22) Volume-3								
	Raj Park								
	For bench surround	15	4.50		0.35	23.63			
						23.63	**Sqm**	**93.50**	**2208.94**
	Basic Rate Rs.=	85.00							
	Add 10% A.W Rs. =	8.50							
	Total Rate Rs. =	**93.50**							
	Providing, laying & fixing cement base, precast, pre polished cement concrete, **designer tiles 25mm thick** conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (V-II, P.No.65, I.No.9.40 of PW, P&IWTD SR 2021-22)								
	Raj Park								
	For Benches	15	1.80	1.50		40.50			
						40.50	**Sqm**	**1252.90**	**50742.45**
	Basic Rate Rs.=	1139.00							
	Add 10% A.W Rs. =	113.90							
	Total Rate Rs. =	**1252.90**							
	Executive Bench- Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)								
	Raj Park								
		15				15.00			
						15.00	**Each**	**18200.00**	**273000.00**
	Data Rate	18200.00							
1	**Loading and Unloading of Stone Boulder**/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (V-III Page No.3, Item No.1.1 Cof PWD SR 2021-22)								
	Basic rate	74.00							
	Area Weightage 10%	7.40							
	Total	**81.40**							
	Qty frm Item No-1					**256.84**	**Cum**	**81.40**	**20,906.78**
2	**Cost of Haulage** Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 250 t.km (V-III Page No.3, Item No.1.4 C of PWD SR 2021-22) Lead 8 Km								

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Basic rate	5.00							
8Km Lead 5*8	40.00							
Area Weightage 10%	4.00							
Total	44.00							
Qty frm Item No-1		256.84	1.28		328.76			
					328.76	t.Km	44.00	14,465.23
							Total Construction Cost	8955679.41
							12% GST Charges	1041921.53
							Sub Total	9997600.94
							Utility Shifting, Miscellaneous, Rounding off	2,399.06
							GRAND TOTAL	10000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2021-2022, issue rates and Data Rates.

Assistant Engineer
Ward 03
BBMP Bangalore

Asst. Executive Engineer
Satellite Town Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

* APPROVED DATA RATE TO BE ENCLOSED

Administrative Sanction for Rs. 100.00 Lakhs
Rupees One crore only
is accorded under head 1-2178
Deputy Manager Grade 3
Registered as CE No. 08 Subject to conditions contained in enclosed memo No. BBMP/EE/YNK-D1/AS/08/22-23 Dt. 12/5/22

Executive Engineer

Tech[illegible]nction
Acc[illegible] 100.00lakhs
Hea[illegible] P-2178
CER NO :05 Dt:12/5/2022